

IN THE CLAIMS:

Please amend the claims as shown below. The claims, as pending in the subject application, now read as follows:

1 to 3. (Cancelled)

4. (Currently Amended) A probe set of infection detection probes each of which can detect an existence of a 16s rRNA gene originating in Staphylococcus aureus in a sample in which one or more of Staphylococcus aureus, Staphylococcus epidermidis, Escherichia coli, Klebsiella pneumoniae, Pseudomonas aeruginosa, Serratia marcescens, Streptococcus pneumoniae, Haemophilus influenzae, Enterobacter cloacae and Enterococcus faecalis possibly exists, wherein the probe set comprises [[:]] nine oligonucleotides, each consisting of a different one of SEQ ID Nos. 1 to 9 or the complementary sequence thereof

~~an oligonucleotide consisting of SEQ ID No. 1 or the complementary sequence thereof; and~~

~~an oligonucleotide consisting of one of SEQ ID Nos. 2 to 14 or the complementary sequence thereof.~~

5. (Currently Amended) A probe set which can detect an existence of a 16s rRNA gene originating in Staphylococcus aureus, the probe set including plural types of infection detection probes consisting of different types of oligonucleotides, wherein the

different types of oligonucleotides consist of~~[[:]]~~ nine oligonucleotides, each consisting of a different one of SEQ ID Nos. 1 to 9 or the complementary sequence thereof

~~SEQ ID No. 1 or the complementary sequence thereof; and~~

~~one of SEQ ID Nos. 2 to 14 or the complementary sequence thereof.~~

6. (Previously Presented) The probe set according to claim 5, wherein the probe set is chemically immobilized on a carrier.

7. (Withdrawn) A genetic screening method of detecting a gene originated in *Staphylococcus aureus* by using a carrier of claim 6.

8 to 49. (Cancelled)

50. (Withdrawn) The probe set according to claim 4, wherein the probe set comprises fourteen oligonucleotides, each consisting of a different one of SEQ ID Nos. 1 to 14 or the complementary sequence thereof.

51. (Previously Presented) An array on which the probe set according to claim 4 is immobilized, wherein the probe set includes the only probes on the array for detecting *Staphylococcus aureus*.